

ABSTRACT OF THE INVENTION

A portable game controller for operating an electronic game device. The controller communicates between a person and the game device with a radio frequency sender and receiver. Signal transmission is communicated over the same channel with time domain multiplexing, and can be sent over one or more channels to expand the number of controllers operable in a system. Signal transmission can be delivered in short intervals to conserve battery power. Multiple persons can deliver signals through multiple senders or through a common radio frequency sender, and signals can be transmitted from the radio frequency receiver to the radio frequency sender.